

This listing of claims will replace all prior versions, and listings, of claims in the application:

1       Claim 1 (original): Device for correcting defective  
2       vision or corneal disease of an eye, characterised by the  
3       combination of

4           - an instrument (16) for deforming the cornea of the  
5       eye with  
6           - an instrument (18, 20) for hardening the cornea  
7           - at least one radiation source (20) for irradiated  
8       the cornea,  
9       one or more radiation sources (20) in the instrument  
10      being arranged so that the radiation emitted by them  
11      strikes the cornea homogeneously.

1       Claim 2 (original): Device according to Claim 1,  
2       characterised in that the instrument (16) for deforming  
3       the cornea comprises a shaped body which can be placed on  
4       the eye.

1       Claim 3 (currently amended): Device according to ~~one of~~  
2       Claims Claim 1 to 2, characterised in that the instrument  
3       is configured so that it can be brought in contact with  
4       the cornea for proper use.

1       Claim 4 (original): Device according to Claim 1,  
2       characterised in that the instrument is configured so  
3       that it lies at a predetermined distance from the cornea  
4       for proper use.

1       Claim 5 (original): Device according to Claim 1,  
2 characterised in that light-emitting diodes are provided  
3 as the radiation source.

1       Claim 6 (original): Device according to Claim 1,  
2 characterised by a radiation source with optical  
3 waveguides (52).

1       Claim 7 (original): Device according to Claim 1, having  
2 a conical body(18) for guiding the radiation.

1       Claim 8 (original): Device according to Claim 1, having  
2 a radiation sensor (28) for detecting a part of the  
3 radiation emitted by the radiation source or radiation  
4 sources.

1       Claim 9 (original): Device according to Claim 1,  
2 characterised by a control or regulating instrument (24)  
3 which can control or regulate the radiation.

1       Claim 10 (original): Device according to Claim 1,  
2 characterised by a device (36, 38) for measuring the  
3 distance between a component of the device and the  
4 cornea.

1       Claim 11 (original):     Device according to Claim 1,  
2 characterised in that the device comprises a plurality of  
3 radiation sources (20) which are arranged so that their  
4 radiation cones (56) allow homogeneous illumination of a  
5 cornea by overlapping.

1       Claim 12(original): Device according to Claim 1, having  
2       a device (22) for driving individual radiation sources.

1       Claim 13 (original):     Device according to Claim 1,  
2       having means for determining properties of the cornea.

1       Claim 14 (original): Operation microscope combined with  
2       a device according to Claim 1.

1       Claim 15(original): Device having a surgical laser  
2       system for refractive corrections of the cornea, in  
3       combination with a device according to Claim 1.

1       Claim 16 (new): Device according to Claim 2,  
2       characterised in that the instrument is configured so  
3       that it can be brought in contact with the cornea for  
4       proper use.